

IV. AMENDMENTS TO THE CLAIMS

1. (CANCELED).

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2. (CURRENTLY AMENDED) A mechanical chassis including a non-contact reading mechanism for a disc recording medium and a vibration preventing damper attached on a chassis supported in a floating condition through the vibration preventing damper within a casing, comprising a resin portion at the vibration preventing damper forming a portion of the chassis, wherein an opening side end portion made of a resin material of the damper housing provided with a holder portion in a form of a container opened at one end for inserting a support shaft provided in the casing and an elastic wall portion for reducing floating movement of the support shaft due to elastic deformation in three-dimensional directions is fixed to said resin portion, and said vibration preventing damper is formed integrally with said chassis~~without using mechanical fasteners~~ to form a unitary structure of the vibration preventing damper and the resin portion of the chassis.

3. (PREVIOUSLY PRESENTED) A mechanical chassis according to claim 2, wherein a hole for communicating air between an inside and an outside of the vibration preventing damper is formed in any portion of the vibration preventing damper forming portion in at least one of the vibration preventing damper and the chassis.

4. (PREVIOUSLY PRESENTED) A mechanical chassis according to claim 2, wherein the holder portion of the damper housing is formed as a bottomed agitating shaft portion for holding the inserted support shaft provided in the casing and viscous fluid for giving an agitating resistance due to viscous fluidization to the agitating shaft portion that moves in accordance with movement of the support shaft is provided within an interior of the vibration preventing damper.

5. (ORIGINAL) A mechanical chassis according to any one of claims 2 to 4, wherein a through hole is formed in the vibration preventing damper forming portion of a

resin chassis, the opening side end portion of the damper housing is fixed to a hole edge of the through hole on one surface side of the resin chassis, and a lid member made of a resin material for closing the through hole is fixed to the hole edge of the through hole in the other surface side of the resin chassis.

6. (CURRENTLY AMENDED) A mechanical chassis ~~according to any one of claims 2 to 4~~ including a non-contact reading mechanism for a disc recording medium and a vibration preventing damper attached on a chassis supported in a floating condition through the vibration preventing damper within a casing, comprising a resin portion at the vibration preventing damper forming a portion of the chassis, wherein an opening side end portion made of a resin material of the damper housing provided with a holder portion in a form of a container opened at one end for inserting a support shaft provided in the casing and an elastic wall portion for reducing floating movement of the support shaft due to elastic deformation in three-dimensional directions is fixed to said resin portion, and said vibration preventing damper is formed integrally with said chassis without using mechanical fasteners,

wherein a through hole is formed in the vibration preventing damper forming portion in one of a metal portion of a chassis and a metal chassis, a resin hole edge covering portion for covering a hole edge of the through hole with both front and rear surfaces of the chassis,

the opening side end portion of the damper housing is fixed to said resin hole edge covering portion on one side surface of the chassis and a lid member made of a resin material is fixed to said resin hole edge covering portion on the other side surface of the chassis.

7. (ORIGINAL) A mechanical chassis according to any one of claims 2 to 4, wherein a through hole through which the damper housing may be inserted is provided in the vibration preventing damper forming portion of a resin chassis, an outward flange is provided on the opening side end portion of the damper housing,

under the condition that the one side surface of the outward flange comes in contact with a hole edge of the through hole, the damper housing is fixed to the resin

chassis and a lid member made of a resin material for closing the opening side end portion of the damper housing is fixed to the other side surface of the outward flange.

8. (CURRENTLY AMENDED) A mechanical chassis ~~according to any one of claims 2 to 4~~ including a non-contact reading mechanism for a disc recording medium and a vibration preventing damper attached on a chassis supported in a floating condition through the vibration preventing damper within a casing, comprising a resin portion at the vibration preventing damper forming a portion of the chassis, wherein an opening side end portion made of a resin material of the damper housing provided with a holder portion in a form of a container opened at one end for inserting a support shaft provided in the casing and an elastic wall portion for reducing floating movement of the support shaft due to elastic deformation in three-dimensional directions is fixed to said resin portion, and said vibration preventing damper is formed integrally with said chassis without using mechanical fasteners,

wherein a through hole through which the damper housing may be inserted is provided in the vibration preventing damper forming portion in one of a resin portion of a chassis and a metal chassis, a resin portion of said through hole is provided in a hole edge of said through hole, an outward flange is provided in the damper housing,

under the condition that the one side surface of the outward flange comes in contact with one of a hole edge of the through hole and the resin portion on one side surface of the chassis, the damper housing is fixed to the resin portion and a lid member made of a resin material for closing the opening side end portion of the damper housing is fixed to the outer side surface of the outward flange.

9. (ORIGINAL) A mechanical chassis according to any one of claims 2 to 4, wherein the chassis as a whole is formed of a resin material or a metal material.

10. (ORIGINAL) A mechanical chassis according to claim 9, wherein a through hole is provided in the vibration preventing damper forming portion of a resin chassis,

the opening side end portion of the damper housing is fixed to a hole edge of the through hole on one side surface of the resin chassis, and a lid member made of a resin material for closing the through hole is fixed to the hole edge of the through hole on the other side surface of the resin chassis.

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11. (CURRENTLY AMENDED) A mechanical chassis ~~according to claim 9~~ including a non-contact reading mechanism for a disc recording medium and a vibration preventing damper attached on a chassis supported in a floating condition through the vibration preventing damper within a casing, comprising a resin portion at the vibration preventing damper forming a portion of the chassis, wherein an opening side end portion made of a resin material of the damper housing provided with a holder portion in a form of a container opened at one end for inserting a support shaft provided in the casing and an elastic wall portion for reducing floating movement of the support shaft due to elastic deformation in three-dimensional directions is fixed to said resin portion, and said vibration preventing damper is formed integrally with said chassis without using mechanical fasteners,

wherein the chassis as a whole is formed of a resin material or a metal material and

wherein a through hole is formed in the vibration preventing damper forming portion in one of a metal portion of a chassis and a metal chassis, a resin portion for covering a hole edge of the through hole with both front and rear surfaces of the chassis,

the opening side end portion of the damper housing is fixed to said resin portion on one side surface of the chassis and a lid member made of a resin material is fixed to said resin portion on the other side surface of the chassis.

12. (ORIGINAL) A mechanical chassis according to claim 9, wherein a through hole through which the damper housing may be inserted is provided in the vibration preventing damper forming portion of a resin chassis, an outward flange is provided on the opening side end portion of the damper housing,

under the condition that one side surface of the outward flange comes in contact with a hole edge of the through hole, the damper housing is fixed to the resin chassis and a lid member made of a resin material for closing the opening side end portion of the damper housing is fixed to the other side surface of the outward flange.

13. (CURRENTLY AMENDED) A mechanical chassis ~~according to claim 9~~ including a non-contact reading mechanism for a disc recording medium and a vibration preventing damper attached on a chassis supported in a floating condition through the vibration preventing damper within a casing, comprising a resin portion at the vibration preventing damper forming a portion of the chassis, wherein an opening side end portion made of a resin material of the damper housing provided with a holder portion in a form of a container opened at one end for inserting a support shaft provided in the casing and an elastic wall portion for reducing floating movement of the support shaft due to elastic deformation in three-dimensional directions is fixed to said resin portion, and said vibration preventing damper is formed integrally with said chassis without using mechanical fasteners, wherein the chassis as a whole is formed of a resin material or a metal material and wherein a through hole through which the damper housing may be inserted is provided in the vibration preventing damper forming portion in one of a metal portion of a chassis and a metal chassis, a resin portion of said through hole is provided in a hole edge of said through hole, an outward flange is provided in the damper housing,

under the condition that the one side surface of the outward flange comes in contact with one of a hole edge of the through hole and the resin portion on one side surface of the chassis, the damper housing is fixed to the resin portion and a lid member made of a resin material for closing the opening side end portion of the damper housing is fixed to the other side surface of the outward flange.

14. (ORIGINAL) A mechanical chassis according to any one of claims 2 to 4, wherein the chassis comprises a metal portion in which said non-contact reading mechanism is provided and a resin portion in which a vibration preventing damper forming portion is included and is formed integrally with said metal portion.

15. (CURRENTLY AMENDED) A mechanical chassis-according to ~~claim 14~~ including a non-contact reading mechanism for a disc recording medium and a vibration preventing damper attached on a chassis supported in a floating condition through the vibration preventing damper within a casing, comprising a resin portion at the vibration preventing damper forming a portion of the chassis, wherein an opening side end portion made of a resin material of the damper housing provided with a holder portion in a form of a container opened at one end for inserting a support shaft provided in the casing and an elastic wall portion for reducing floating movement of the support shaft due to elastic deformation in three-dimensional directions is fixed to said resin portion, and said vibration preventing damper is formed integrally with said chassis without using mechanical fasteners,

wherein the chassis comprises a metal portion in which said non-contact reading mechanism is provided and a resin portion in which a vibration preventing damper forming portion is included and is formed integrally with said metal portion and

wherein a through hole is provided in the vibration preventing damper forming portion of a resin portion of said chassis,

the opening side end portion of the damper housing is fixed to a hole edge of the through hole on one side surface of the chassis, and a lid member made of a resin material for closing the through hole is fixed to the hole edge of the through hole on the other side surface of the resin chassis.

16. (CURRENTLY AMENDED) A mechanical chassis-according to ~~claim 14~~ including a non-contact reading mechanism for a disc recording medium and a vibration preventing damper attached on a chassis supported in a floating condition through the vibration preventing damper within a casing, comprising a resin portion at the vibration preventing damper forming a portion of the chassis, wherein an opening side end portion made of a resin material of the damper housing provided with a holder portion in a form of a container opened at one end for inserting a support shaft provided in the casing and an elastic wall portion for reducing floating movement of the support shaft due to elastic deformation in three-dimensional directions is fixed to said resin portion, and said vibration preventing damper is formed integrally with said chassis

without using mechanical fasteners, wherein the chassis comprises a metal portion in which said non-contact reading mechanism is provided and a resin portion in which a vibration preventing damper forming portion is included and is formed integrally with said metal portion and

wherein a through hole through which the damper housing may be inserted is provided in the vibration preventing damper forming portion of a resin portion of said chassis, an outward flange is provided on the opening side end portion of the damper housing,

under the condition that the one side surface of the outward flange comes in contact with a hole edge of the through hole, the damper housing is fixed to said chassis and a lid member made of a resin material for closing the opening side end portion of the damper housing is fixed to the other side surface of the outward flange.

17. (CANCELED).

18. (CURRENTLY AMENDED) A vibration preventing damper and chassis assembly according to claim 47~~19~~, wherein the chassis and the vibration preventing damper are melt bonded to each other.

19. (CURRENTLY AMENDED) A vibration preventing damper and chassis assembly ~~according to claim 17~~, comprising:

a chassis; and
a vibration preventing damper attached to the chassis as an integral construction without mechanical fasteners,

wherein at least a portion of the chassis is fabricated from resin and the vibration preventing damper includes a damper housing having an elastic wall portion formed with an internal agitating sleeve and fabricated from a thermoplastic elastomer, a circumferential wall portion fabricated from resin and integrally formed with the elastic wall portion and a viscous fluid contained in the vibration preventing damper and in contact with the internal agitating sleeve, the at least resin portion of the chassis is

integrally connected to the circumferential wall portion to form a unitary structure with the vibration preventing damper.

20. (PREVIOUSLY PRESENTED) A vibration preventing damper and chassis assembly according to claim 19, wherein the chassis is fabricated from resin, has a through hole formed therethrough and is sized and adapted to receive the damper housing with the circumferential wall portion of the damper housing connected to the chassis as a unitary structure.

21. (PREVIOUSLY PRESENTED) A vibration preventing damper and chassis assembly according to claim 20, wherein the vibration preventing damper includes a lid member connected to the circumferential wall portion for sealing the viscous fluid in the vibration preventing damper.

22. (PREVIOUSLY PRESENTED) A vibration preventing damper and chassis assembly according to claim 20, wherein the vibration preventing damper includes a lid member connected to the circumferential wall portion and the chassis, the lid member sealing the viscous fluid in the vibration preventing damper.

23. (CURRENTLY AMENDED) A vibration preventing damper and chassis assembly ~~according to claim 17, comprising:~~

a chassis; and
a vibration preventing damper attached to the chassis as an integral construction without mechanical fasteners,

wherein the chassis is fabricated from metal and has a through hole formed therethrough and the vibration preventing damper includes a damper housing having an elastic wall portion formed with an internal agitating sleeve and fabricated from a thermoplastic elastomer, a resin portion fabricated from resin and integrally connected to the chassis forming a ring covering at least an inner periphery of the through hole, a lid member fabricated from resin and a viscous fluid contained in the vibration preventing damper and in contact with the internal agitating sleeve, ~~the elastic~~

~~wall portion, the resin portion and the lid member yet isolated from the chassis, the~~
elastic wall portion is integrally connected to the resin portion on one side of the chassis
and the lid member is integrally connected to the resin portion on an opposite side of
the chassis in a manner such that the elastic wall portion and a lid member are isolated
from contact with the chassis.

24. (NEW) A mechanical chassis according to claim 2, wherein the
damper housing further comprises a circumferential wall portion made of resin.

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25. (NEW) A mechanical chassis comprising a non-contact reading
mechanism for a disc recording medium and a vibration preventing damper which are
attached on a chassis supported in a floating condition through the vibration preventing
damper within a casing,

wherein the vibration preventing damper comprises:

a damper housing in a form of a container opened at one end, the damper
housing being provided with a holder portion for holding a support shaft provided in the
casing by inserting the support shaft into the holder portion and an elastic wall portion
for reducing floating movement of the support shaft due to elastic deformation in three-
dimensional directions; and

a lid fixed to an opening side end portion of the damper housing to
enclose the damper housing,

wherein the chassis comprises a vibration preventing damper forming
portion made of resin, and

wherein the vibration preventing damper forming portion serves as the lid
so that the vibration preventing damper is formed integrally with the chassis.

26. (NEW) A mechanical chassis according to claim 25, wherein the
damper housing further comprises a circumferential wall portion made of resin.